В	С	D	E	F	G	Н	l	J	K	L	M	N	
	— A Compo	onent-oriented Process Failure Risk Analysis Method (Ver. 5	by Professor Paul G. Ranky, PhD, NJIT/MERC						© Copyright by Paul G. Ranky, 1992-to date			<u> </u>	
	Product Name and Appearance Before Process	Raw Material Prep Process	PFRA Study ID Number	1		Process Code					tudy was Pre	was Prepared By	
	Name of Organization Responsible for the Process	Goff's Enterprises	Date of This Study (mm/dd/yy)	4/22/2012	Engineeri	Engineering Release Date of Process				PFRA Team		eam eam	
Other Organizations Involved in the Process Subcontractors, process Plants Effected			Orignal Date of This Study	1/20/2012		Type of Product Processed			Climate curtains and Window Insulator kits		Responsible Organization/ Departments		
		N/A	Revision Number	1	Product Group Classifier								
	Product Serial Number and Optional Image Map	N/A	Comments	None	Engineeri	Engineering Release Date of the Product			t N/A				
Process		Specify the Tool(s) Used in Each Process Step	Specify the Fixtures / Clamps Used in Eac Process Step	h List / Identify the Parts / Components Retrieved in Each Process Step	Process Time	Process Cost Accumulated Process Cost		The PFRA Team Describes / Illustrates the Potential Proce Mode and the Effect; the Risk of Failure		Failure Severity Rating	Detection Rating	Occuri Rati	
	Subassembly/ Object AFTER the Process is Complete					53.00		Proc.II	Proc.ID Failure Mode(s) and Effect(s)				
					[sec]	[USD]	[USD]			(1 -10)	(1- <mark>10</mark>)		
								ID 1.1	Lift Trucks Not working	10	1		
1	Manually Store and Retrieve Raw Material	Lift Truck, Human Hand and Eye	Human Hand	Baled Recycled Vinyl	120	1.77	1.77				 	_	
	+							ID 2.1	Material Unusable	10	5	+	
2	Visually Inspect Raw Material	Human Hand and Eye	Human Hand	None	60	0.88	2.65	ID 2.2	Metal and other Debris in the Stock	10	6		
		,						ID 2.3	Organic Waste in Recycled Vinyl	7	8	+	
								ID 3.1	High metal and debris content upsets the tanks	10	5		
					900	13.25	15.90					_	
3	Manually Load Material into Melting Tank	Electronic Hand Truck, Human Hand	Human Hand, Tanks, Heaters	Melted Vinyl	900	13.25	15.90	ID 3.2	Failure of Heaters	10	1		
3	Manually Load Material into Melting Tank	Electronic Hand Truck, Human Hand	Human Hand, Tanks, Heaters	Melted Vinyl	900	13.25	15.90	ID 3.2 ID 3.3	Failure of Heaters Vinyl unusable	10	1 2	+	
3	Manually Load Material into Melting Tank	Electronic Hand Truck, Human Hand	Human Hand, Tanks, Heaters	Melted Vinyl	900	13.25	15.90			_	2 2	+	
3	Manually Load Material into Melting Tank Pump Melted Vinyl Material to Head Box	Electronic Hand Truck, Human Hand None	Human Hand, Tanks, Heaters Pumps, Piping, Valves, Head Box	Melted Vinyl None	900	13.25 4.42	15.90 20.32	ID 3.3	Vinyl unusable	10		+	

	0	Р	Q	R	S	Т	U	V	W X		Υ	Z
1												
2												
3												
4												
5												
6												
7	Gurprpeet Sii	rpeet Singh										
8												
9	9											
10	None											
11												
12												
13	RPN (Risk Priority Number)	Max. RPN	Tooling Factor	Clamping/ Fixturing Factor	Skill Factor	Any Other Factor You Define	Accumulated RPN	Risk Associated	The Effect of Each Process Step Failure Risk on Other Processes	The Effect of Each Process Step Failure Risk on Other Parts (I.e. components/ objects)	Detection Mode	Recommended Corrective Action(s)
15			0.1-2,1=100%	0.1-2,1=100%	0.1-2,1=100%	0.1-2,1=100%	,					
16	50								No Effect	No effect	Human Inspection	Communicate material dfects to purchasing and suppliers
17	0	50 1.00		1.00	1.00	1.00	50.00	Low			·	Service Automatic Lift system Regularly
18												
19	300								Productoin slow down, financial loss	Harmful to Equipment, and production stoppage	Human Inspection	Check material more carefully
20	600	600	1.00	1.20	1.00	1.00	720.00	HIGH	Production slow down, unusable material	Harmful to Equipment, and production stoppage	Human Inspection	Check material more carefully
21	560								Production slow down, unusable material	Harmful to Equipment, and production stoppage	Human Inspection	Check material more carefully
22	500								Productoin slow down, finanncial loss	Harmful to Equipment, and production stoppage	Human Inspection	Stop prep process and remove metal scrap
23	20	500	1.50	1.50	1.00	1.00	1125.00	HIGH	Productoin slow down, finanncial loss		Human Inspection	Check pilot light and gas supply
24	160								Productoin slow down, finanncial loss	Harmful to Equipment, and production stoppage	Human Inspection	Stop prep process and discard vinyl material and start over
25	160								Productoin slow down, finanncial loss	production stoppage	Human Inspection	Clear blockage
26	80	384 1.00		1.50	1.00	1.00	576.00	HIGH	Productoin slow down, finanncial loss	production stoppage	Human Inspection	Switch head box with Aux and clean clogged box
									, , , , , , , , , , , , , , , , , , , ,			
27 28	384								Productoin slow down, finanncial loss	Harmful to Equipment, and production stoppage	Human Inspection	Check pumps and valves and have back ups on hand

